L Series Miniature Slide Switches

Features/Benefits

- Positive detent
- Enclosed housing
- Maintained and momentary functions
- PC and panel mounting
- RoHS compliant



Models Available

Typical Applications

Communications equipment

Lighting devices



Specifications

CONTACT RATING: Q contact material (LX0X, LX1X Models): 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL/CSA). See page I-23 for additional ratings.

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 10 m Ω typ. initial

@ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: $10^9 \Omega$ min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to +65°C STORAGE TEMPERATURE: -30°C to +85°C

NOTE: Specifications and materials listed above are for switches with standard options For information on specific and custom switches, consult Customer Service Center.

Materials

HOUSING: 6/6 nylon (UL94V-2), black. ACTUATOR: 6/6 nylon (UL94V-2), black. '13' actuator, natural (standard).

CONTACTS: Q contact material: Copper, silver plated. See page I-23 for additional contact materials.

TERMINALS: Q contact material: Copper, silver plated. See page I-23 for additional contact materials.

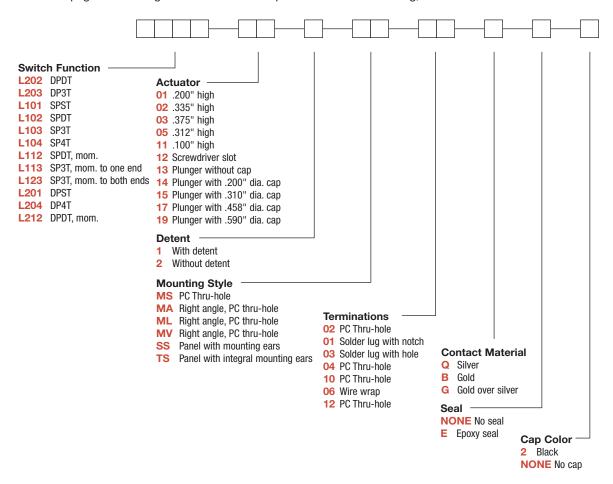
CONTACT SPRING: Music wire or stainless steel.

TERMINAL SEAL: Epoxy.

NOTE: Any models supplied with Q, B or G contact material are RoHS compliant.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages I-20 through I-24. For additional options not shown in catalog, consult Customer Service Center.





Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

SWITCH AND LOCK FUNCTION

|--|

NO. POLES	MODEL NO.	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
SP	L101	SPST	1 2	ML, MS, SS
	L102	SPDT	1 2 3	ML, MS, SS
	L112	SPDT-MOM.	1 2 3	ML, MS, MV, SS
	L103	SP3T	1 2 3 4	MA, MS, TS
	L113	SP3T-MOM. to one end	1 2 3 4	MA, MS, TS
	L123	SP3T-MOM. to both ends	1 2 3 4	MA, MS, TS
	L104	SP4T	1 2 3 4 5	MS

	NO. POLES	MODEL NO.	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
		L201	DPST	1 2 0 0 0 0 4 5	MA, MS, SS
		L202	DPDT	1 2 3 0 0 0 0 4 5 6	MA, MS, SS
DP	L212	DPDT-MOM.	1 2 3 9220 9 876 8 4 5 6	MV	
		L203	DP3T	1 2 3 4 2 2 2 9 5 6 5 6 5 6 7 8	MS, TS
		L204	DP4T	1 2 3 4 5 2 9 9 9 9 6 6 7 8 9 10	MS

NOTE: and MOM. in table indicates momentary action.

All models c with all options when ordered with 'G' or 'Q' contact material.

Models with '01' termination option only.

Contacts make on side actuator thrown

ACTUATOR CAP COLOR

ACTUATOR OPTIONS FOR 'MS, MA, ML, SS, & TS' MOUNTING STYLES

.200

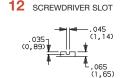
.200" HIGH







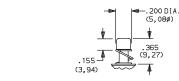




NOTE: No actuator color option code is required. Standard actuator color is black, other colors and heights available, consult Customer Service Center. See pages I-20 and I-22 for available mounting styles.

ACTUATOR OPTIONS FOR 'MV' MOUNTING STYLE

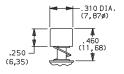
13 PLUNGER WITHOUT CAP



Cap part number 7089

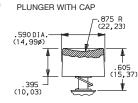
PLUNGER WITH CAP

15 PLUNGER WITH CAP



Cap part number 8018

1 /	PLUNGER WITH CAP		
	.240 (6,10) .458 S0 (11,63) .375 (9,53)		
	Cap part number 7982		



Cap part number 8940

OPTION CODE ACTUATOR CAP COLORS 2 BLACK NONE 01-13, 23 ACTUATORS

Other colors available, consult Customer Service Center.

ACTUATOR CAPS

Caps supplied are not installed standard. To order actuator options '14 thru 29,' select desired cap color from chart and place option code in last box of ordering format. Leave box empty for all other actuator options. Caps may also be ordered separately and user installed, see pages I-23 and I-24. Specify the four digit part number and desired cap color. For switches without caps, order '13' or '23' actuator option. Cap finish: gloss (excluding square cap part number 7982, finish: matte).

SPLASH CAPS

New protective splash caps for PC mounted slide switches are available separately and reusable. They provide splash protection during soldering and cleaning processes. To order specify correct part number, see page I-24.



Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



DETENT

WITH DETENT

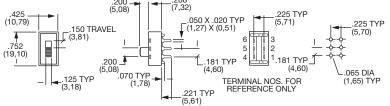
Standard with all maintained models: L101, L102, L103, L104, L113, L201, L202, L203 and L204.

WITHOUT DETENT

Standard with all momentary models: L112, L123, and L212.

MOUNTING STYLE

MS PC THRU-HOLE, 2 POSITION MODELS



Models: L101, L102, L112, L103, L113 L123, L201, L202, L203, L104 and L204 Terminations: 02, 06, 10 and 12 Actuators: 01, 02, 03, 05, 11 and 12

PC MOUNTING

AVAILABLE WITH:

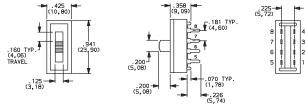
For mounting information, see TERMINATIONS section, page I-23.

Splash caps are available separately and reusable, see page I-24.

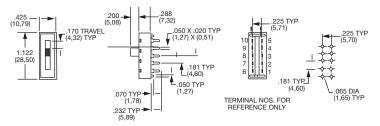


L203011MS02Q DP3T

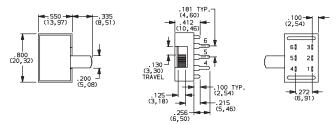
PC THRU-HOLE, 3 POSITION MODELS



PC THRU HOLE, 4 POSITION MODELS



MA RIGHT ANGLE, PC THRU-HOLE



RIGHT ANGLE, PC, SP-3 POSITION MODELS



Models: L201, L202, L113 and L123 Terminations: 04 Actuators: 02 and 12

PC MOUNTING

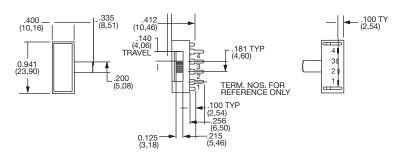
AVAILABLE WITH:

For mounting information, see TERMINATIONS section, page I-23.

Splash caps are available separately



L202021MA04Q Horizontal Actuation **DPDT**





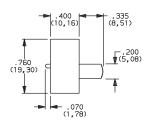
Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

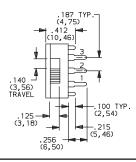


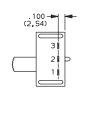
L Series Miniature Slide Switches

MOUNTING STYLE -----

ML RIGHT ANGLE, PC THRU-HOLE







AVAILABLE WITH:

Models: L101, L102, L112 Terminations: 04 Actuators: 01, 02, 05, 11 and 12 PC MOUNTING

For mounting information, see TERMINATIONS section, page I-23.

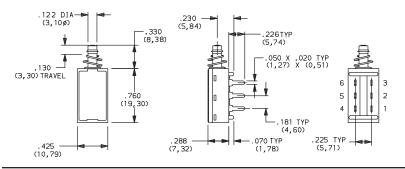
Splash caps are available separately and reusable, see page I-24.



L102021ML04Q Horizontal Actuation

SPDT

MV RIGHT ANGLE, PC THRU-HOLE



AVAILABLE WITH:

Models: L112 and L212 Terminations: 02, 06, 10 and 12 Actuators: 13 thru 19

PC MOUNTING

For mounting information, see TERMINATIONS section, page I-23.

Splash caps are available separately and reusable, see page I-24.



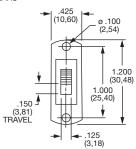
L212132MV02Q

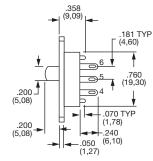
DPDT

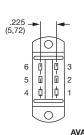
SS PANEL WITH MOUNTING EARS

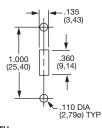


L202011SS03Q **DPDT**









PANEL MOUNTING

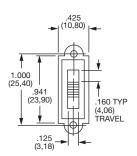
AVAILABLE WITH:

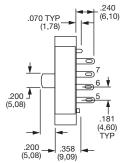
Models: L101, L102, L112, L201 and L202 Terminations: 01, 02, 03, 06, 10, 12 Actuators: 01, 02, 03, 05, 11 and 12

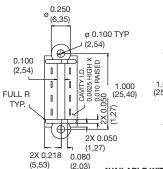
TS PANEL WITH INTEGRAL MOUNTING EARS



L203011TS03Q **DP3T**







1.000 (25,40) (13,46) (2,79e)

AVAILABLE WITH:

Models: L103, L113, L123 and L203 **Terminations:** 01, 02, 03, 06, 10, 12 **Actuators:** 01, 02, 03, 05, 11 and 12



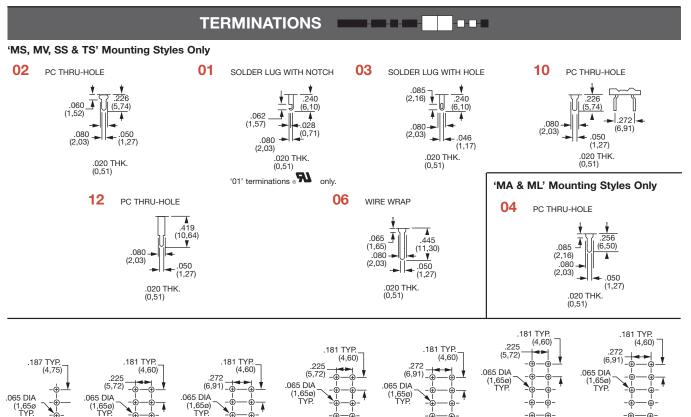
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



L Series Miniature Slide Switches

All 3 position models, with '10' terminations

All 4 position models, with '10' terminations.



CONTACT MATERIAL

All 2 position models with '04' terminations

and 'MA' mounting style

OPTION CODE	CONTACT MATERIAL	RATINGS	
Q	SILVER ²	LOW LEVEL/DRY CIRCUIT	LX0X, LX1X MODELS: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL/CSA). LX6X MODELS: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA).
В	GOLD ¹	POWER	0.4 VA MAX. @20 V AC OR DC max.
G	GOLD OVER SILVER ³	LOW LEVEL/DRY CIRCUIT OR POWER	LX0X, LX1X MODELS: 0.4 VA MAX. @ 20 V AC or DC MAX. or 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL/CSA). LX6X MODELS: 0.4 VA MAX. @ 20 V AC or DC MAX. or 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA).

All 2 position models with '04' terminations and 'MA' mounting style.

¹ CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.

All 2 position models

except '04' terminations.

All models with '04

terminations and 'ML' mounting style

- $^{\rm 2}$ CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options).
- 3 CONTACTS & TERMINALS: Copper, with gold plate over nickel plate over silver plate.

NOTE: Any models supplied with Q, B or G contact material are RoHS compliant.

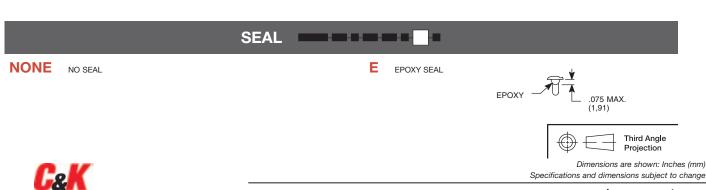
All models c with all options (except '01' termination) when ordered with 'G' or 'Q' contact material.

Models with '01' termination option , only.

All 3 position models,

except '04' terminations

NOTE: 'G' contact material is equivalent to both 'B' and 'Q' contact materials.



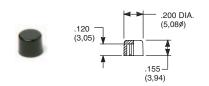
^{*} Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

L Series

Miniature Slide Switches

AVAILABLE HARDWARE

Compatible with 13-19 actuators



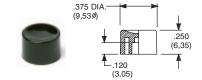
PART NO.

708902000 BLACK 708903000 RED

Compatible with 13-19 actuators

Material: Nylon Finish: Gloss

Compatible with 13-19 actuators



PART NO.

-.590 DIA. (14,99ø)

-.395 (10,03)

. 375

752702000 BLACK 752703000 RED

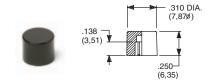
Compatible with 13-19 actuators

.035

BLACK

Material: Nylon Finish: Gloss

Compatible with 13-19 actuators



PART NO.

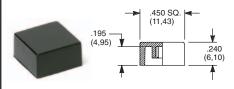
801802000 BLACK 801803000 RED

Material: Nylon Finish: Gloss

-.395 DIA. (10,03ø)

-.325 (8**,**25)

Compatible with 13-19 actuators



PART NO. 484602000 BLACK

Finish: Gloss

484603000 RED Material: Nylon

PART NO. 798202263 BLACK 798203000 RED

Material: Nylon Finish: Matte

PART NO.

894002000 BLACK 894003000 RED

Compatible with 01-05 actuators

Material: Nylon Finish: Gloss

Finish: Gloss Splash Cap

120100200

PART NO.

894102000

Material: Nylon

894103000 RED



Fits 'MS' mounting style, LXX1 & LXX2 models only.

PART

Splash Cap



Fits 'MV' mounting style, LX1X models only.

PART NO.

120100300

Material: Nylon

PART NO.

120100602 BLACK

Material: Nylon Finish: Matte

Splash Cap



. 262 (6, 64)

750

(19,05)

Fits 'MA' mounting style, LXX3 models only.

PART NO. 120100400

Material: Nylon

NOTE: Other colors available, consult Customer Service Center.



Dimensions are shown: Inch (mm) Specifications and dimensions subject to change